

Claims

1. A seeding machine comprising:

a frame;

a wing frame is pivotally mounted to the frame so that it can be pivoted from a working configuration to a transport configuration;

a hopper for holding seed;

a pivot arm having a first end and a second end, the first end of the pivot arm is pivotally mounted to the wing frame, the pivot arm having a working position and a transport position;

a planting unit is mounted to the second end of the pivot arm, when the pivot arm is in its working position the planting unit is in contact with the ground;

a flexible tube extends between the hopper and the planting unit for directing seed from the hopper to the planting unit;

when the wing frame is moved to its transport configuration, the pivot arm is moved to its transport position wherein the planting units are pivoted vertically.

2. A seeding machine as defined by claim 1 wherein the pivot arm has an intermediate position between its working position and its transport position, whereby the ground engaging tool is no longer in contact with the ground.

3. A seeding machine as defined by claim 2 wherein the first end of the pivot arm is pivotally coupled to the wing frame by a rock shaft having a bell crank, the rock shaft defining a first pivot axis about which the pivot arm is pivoted, a linear motor extends between the frame and the bell crank for rotating the rock shaft relative to the wing frame and thereby pivoting the pivot arm.

4. A seeding machine as defined by claim 3 wherein the linear motor is a hydraulic cylinder.

5. A seeding machine as defined by claim 1 wherein the planting unit is attached to the pivot arm by a parallel linkage that allows the planting unit to follow the ground independent of the pivot link when the pivot link is in its working position.